Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/19/2019 10:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125406	0	2.05	125479	2.04
Blue	F	SSC	125000	125639	0	1.48	126401	1.48
Blue	E	FITC	16433	16245	-2	2.70	354	19.56
Blue	D	PE	27595	27536	-1	1.91	601	14.16
Blue	B	PerCP-Cy5-5	43183	43212	0	3.57	1168	19.92
Blue	A	PE-Cy7	31943	32013	0	5.96	622	39.22
Red	C	APC	42819	42564	-1	2.47	1506	12.15
Red	A	APC-Cy7	31261	30472	-3	2.29	830	11.77
Violet	B	V450	6527	6275	-4	4.45	353	13.59
Violet	A	V500	24533	23528	-5	4.22	551	10.90

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17978	10.91	610	10	N/A	N/A	Pass
Blue	F	SSC	57248	1.08	553	5	N/A	N/A	Pass
Blue	E	FITC	66	60.65	539	0	0.0208	107	Pass
Blue	D	PE	125	50.02	536	2	0.1987	359	Pass
Blue	B	PerCP-Cy5-5	215	49.77	647	5	0.0095	92	Pass
Blue	A	PE-Cy7	117	95.04	695	6	0.0116	12	Pass
Red	C	APC	358	25.29	581	-2	0.0242	141	Pass
Red	A	APC-Cy7	183	29.07	560	-3	0.0057	1411	Pass
Violet	B	V450	54	63.15	449	-6	0.0524	2564	Pass
Violet	A	V500	84	35.73	460	-7	0.0216	1019	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.12	-31.79	1.01
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.51
Red	15.76	13.60 - 20.40	N/A	N/A	29.45	29.88	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9563

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments